Docket: 8673-112

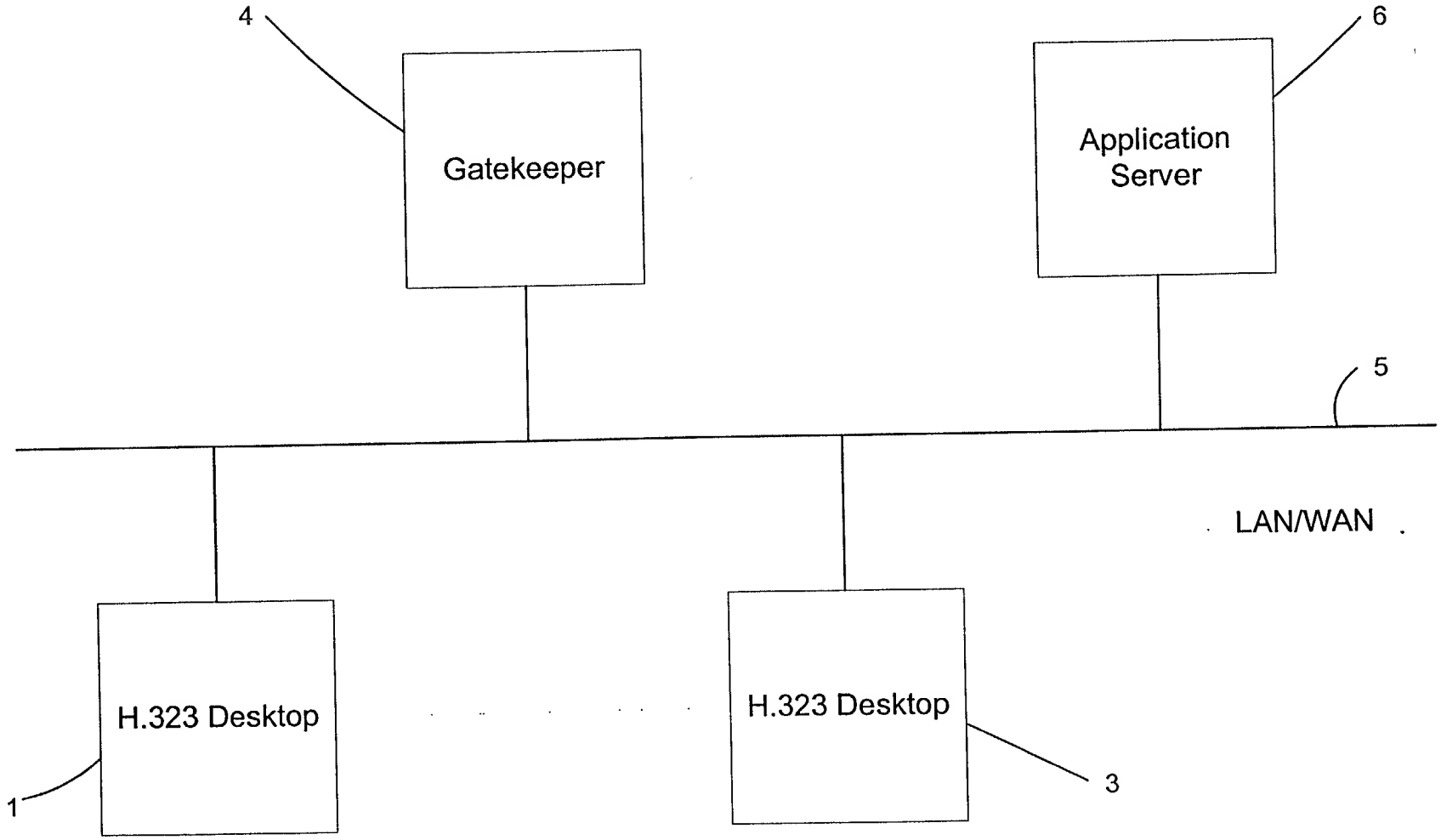

FIGURE 1
(PRIOR ART)

Attorney Docket: 8673-112
(8061-567 SJP/KL)

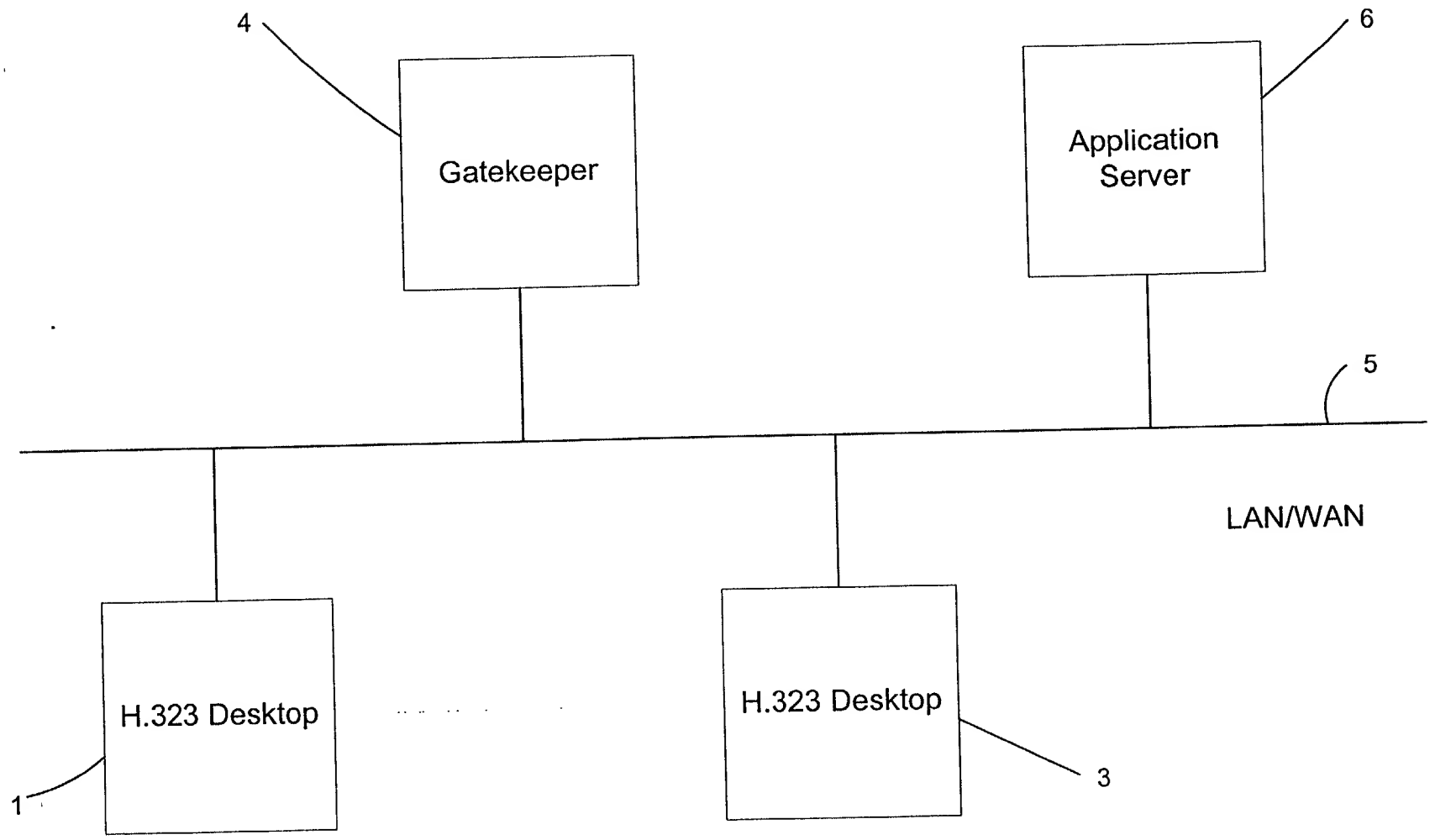

FIGURE 1
(PRIOR ART)

SSSP TRANSPORT

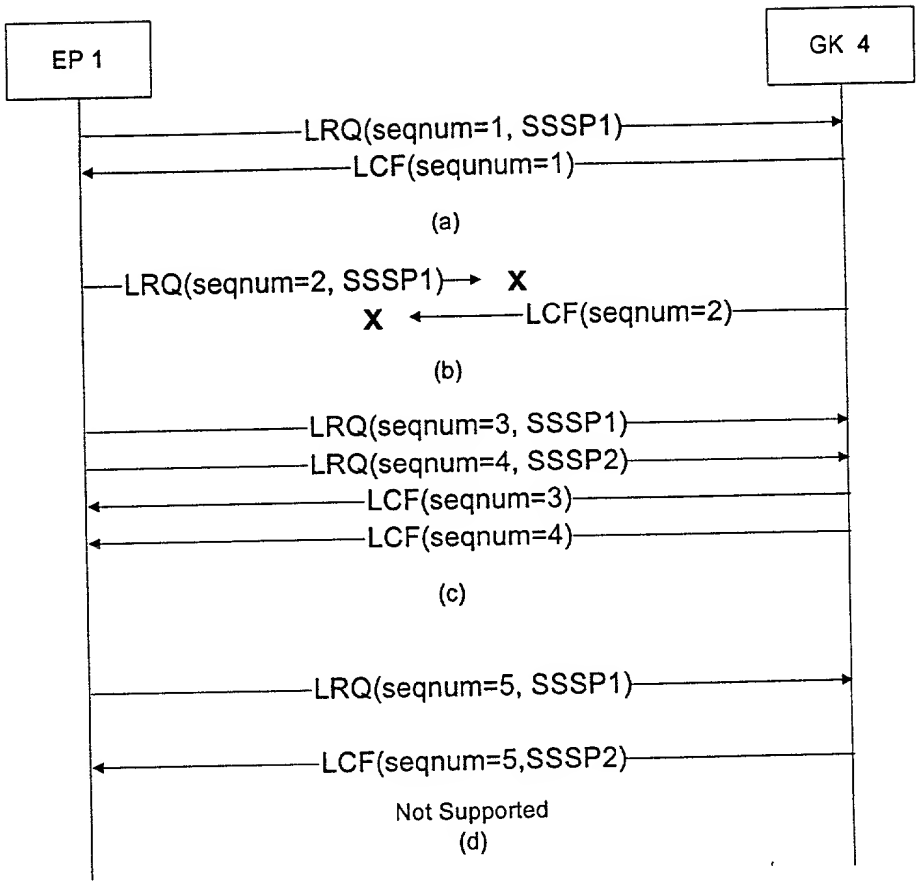

Figure 2

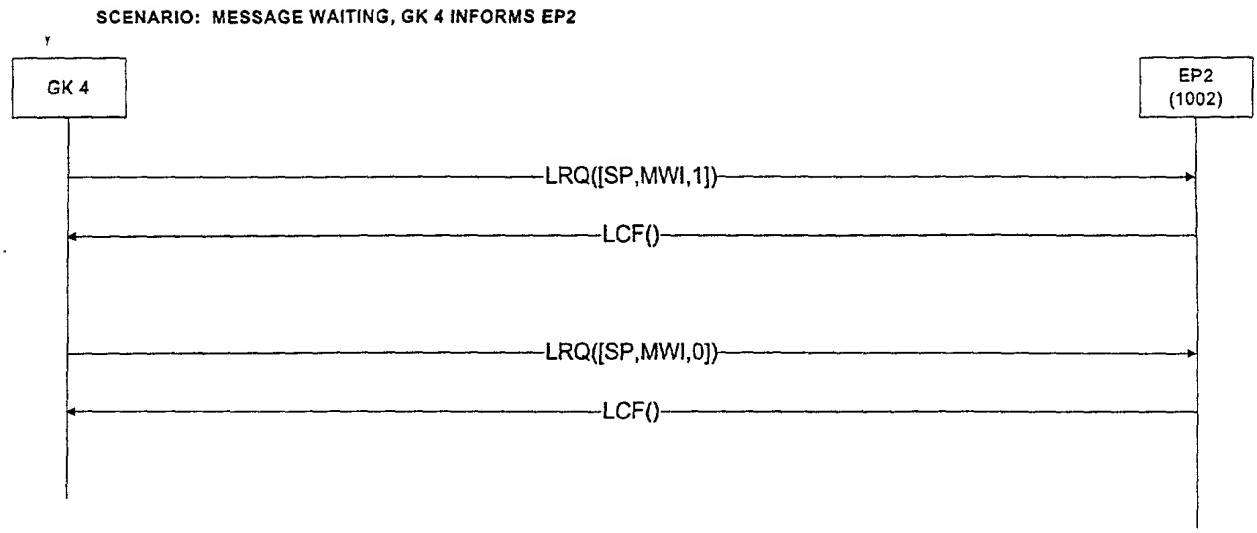
SCENARIO: MESSAGE WAITING, GK 4 INFORMS EP2
GK 4
EP2
(1002)
LRQ([SP,MWI,1])
LCF()
LRQ([SP,MWI,0])
LCF()

Figure 3

SCENARIO: EP2 PROVIDES THE GK 4 WITH MAINTENANCE DATA

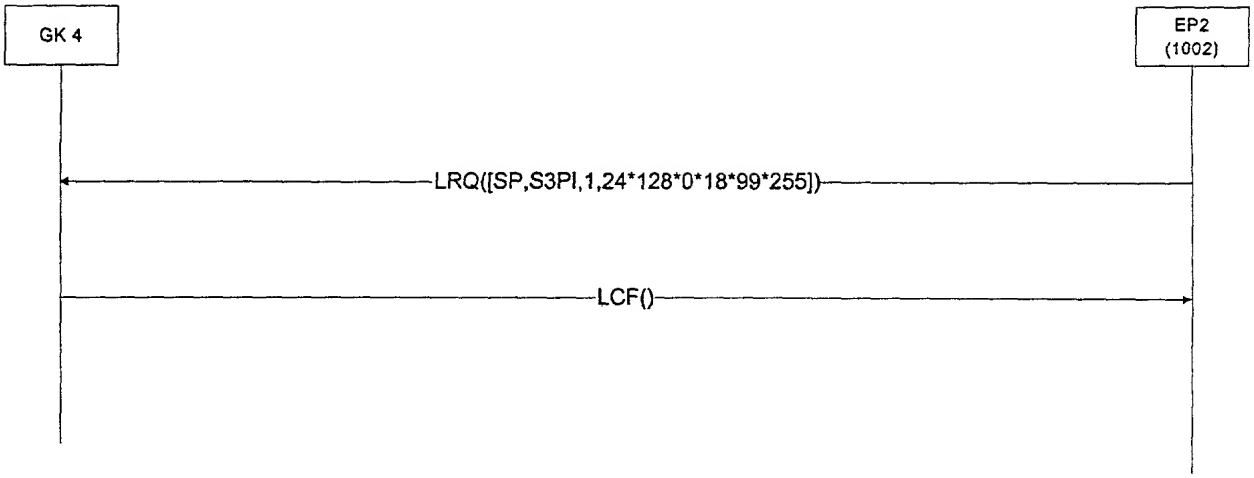

Figure 4

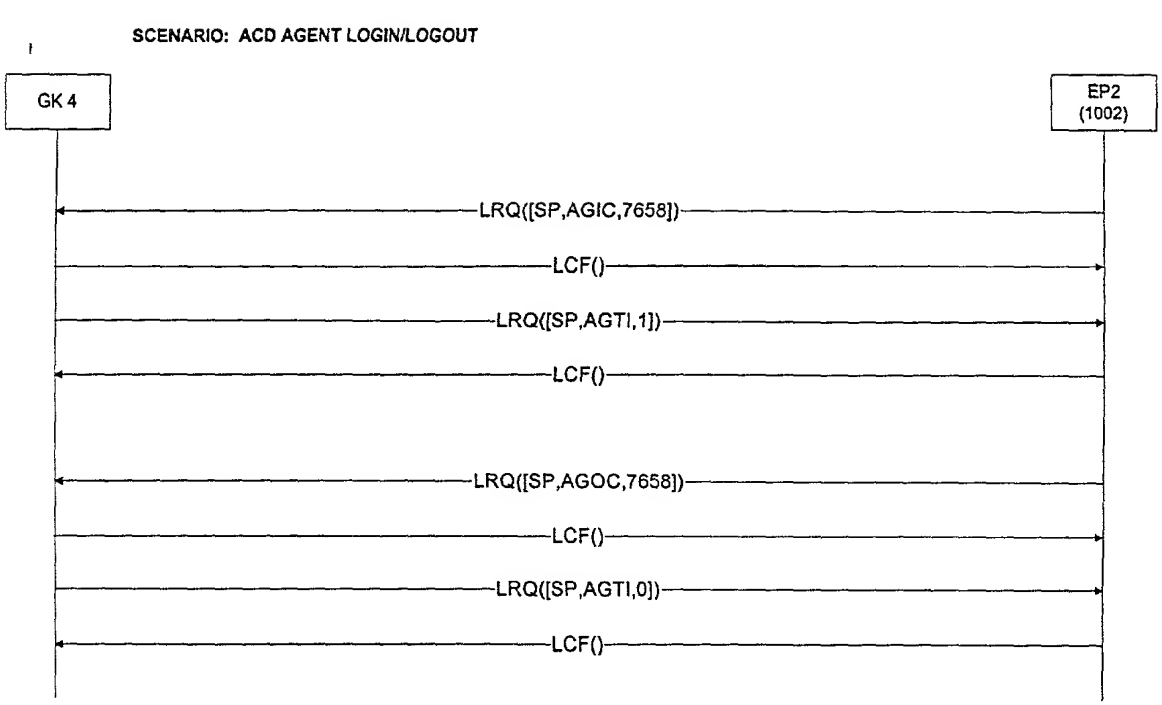
SCENARIO: ACD AGENT LOGIN/LOGOUT
GK 4
EP2
(1002)
LRQ([SP,AGIC,7658])
LCF()
LRQ([SP,AGTI,1])
LCF()
LRQ([SP,AGOC,7658])
LCF()
LRQ([SP,AGTI,0])
LCF()

Figure 5

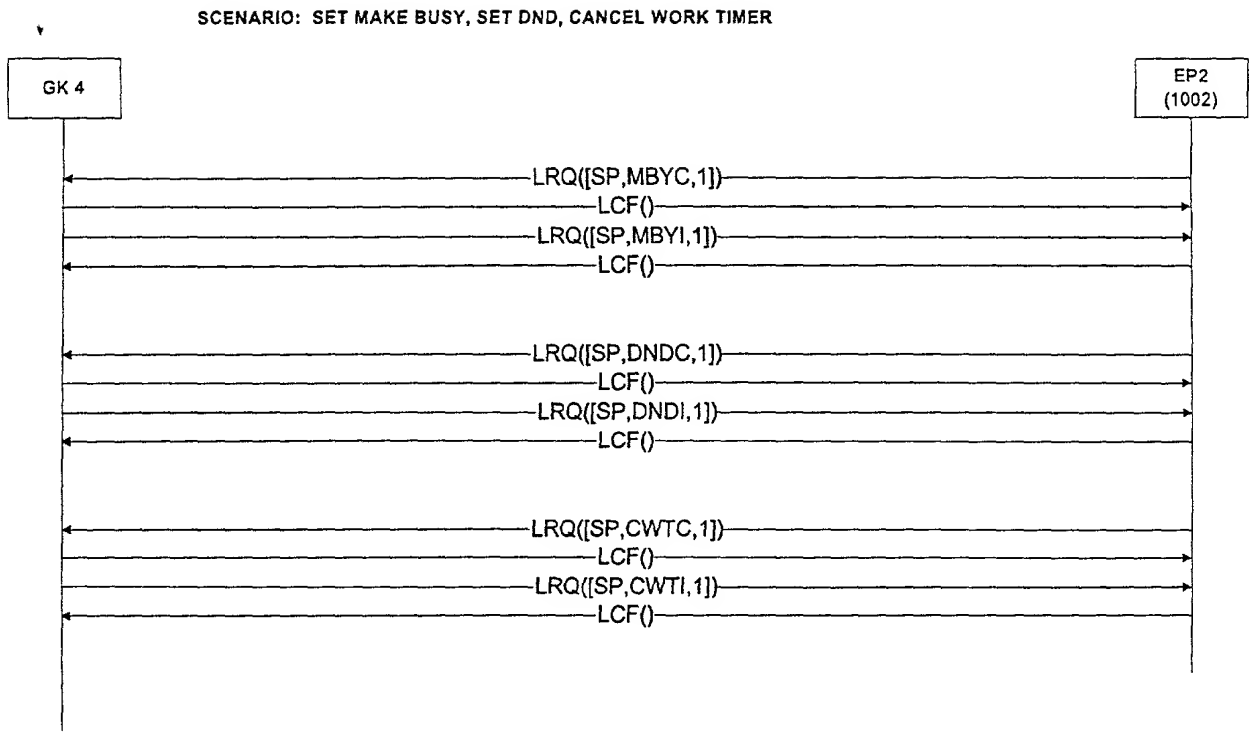
SCENARIO: SET MAKE BUSY, SET DND, CANCEL WORK TIMER
GK 4
EP2
(1002)
LRQ([SP,MBYC,1])
LCF()
LRQ([SP,MBYI,1])
LCF()
LRQ([SP,DNDC,1])
LCF()
LRQ([SP,DNDI,1])
LCF()
LRQ([SP,CWTC,1])
LCF()
LRQ([SP,CWTI,1])
LCF()

Figure 6

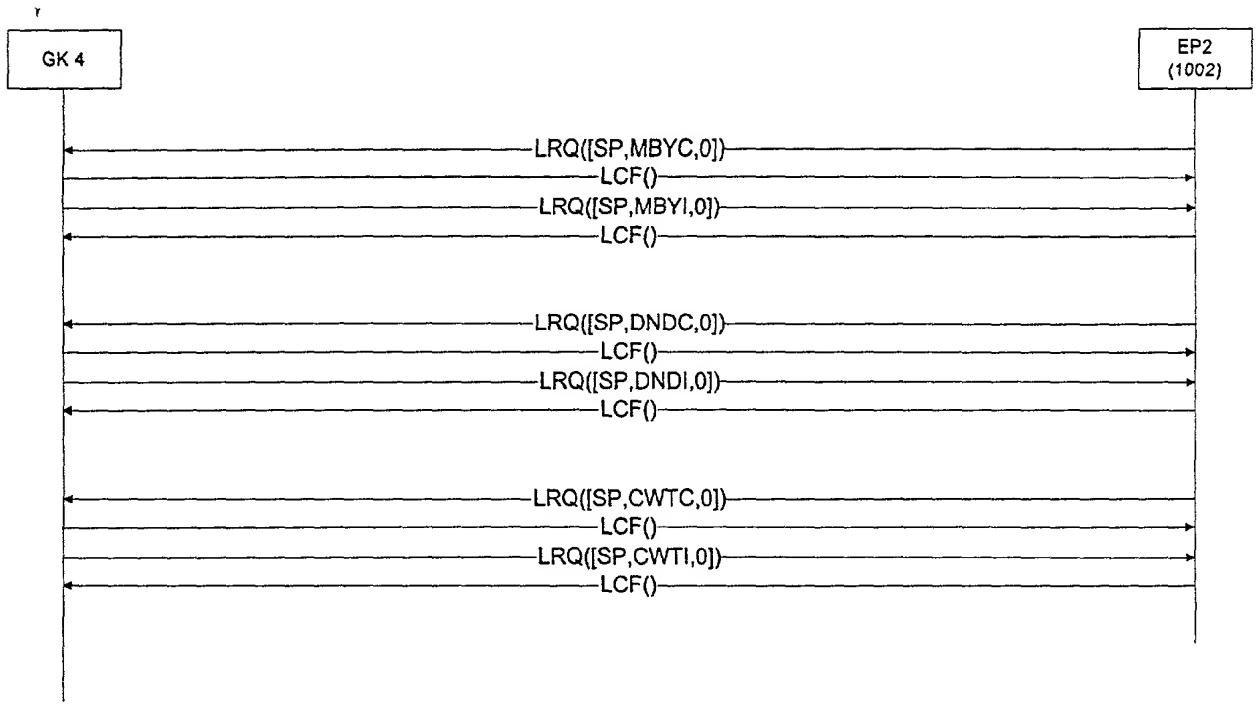
SCENARIO: DISABLE MAKE BUSY, SET DND, CANCEL WORK TIMER
GK 4
EP2
(1002)
LRQ([SP,MBYC,0])
LCF()
LRQ([SP,MBYI,0])
LCF()
LRQ([SP,DNDC,0])
LCF()
LRQ([SP,DNDI,0])
LCF()
LRQ([SP,CWTC,0])
LCF()
LRQ([SP,CWTI,0])
LCF()

Figure 7

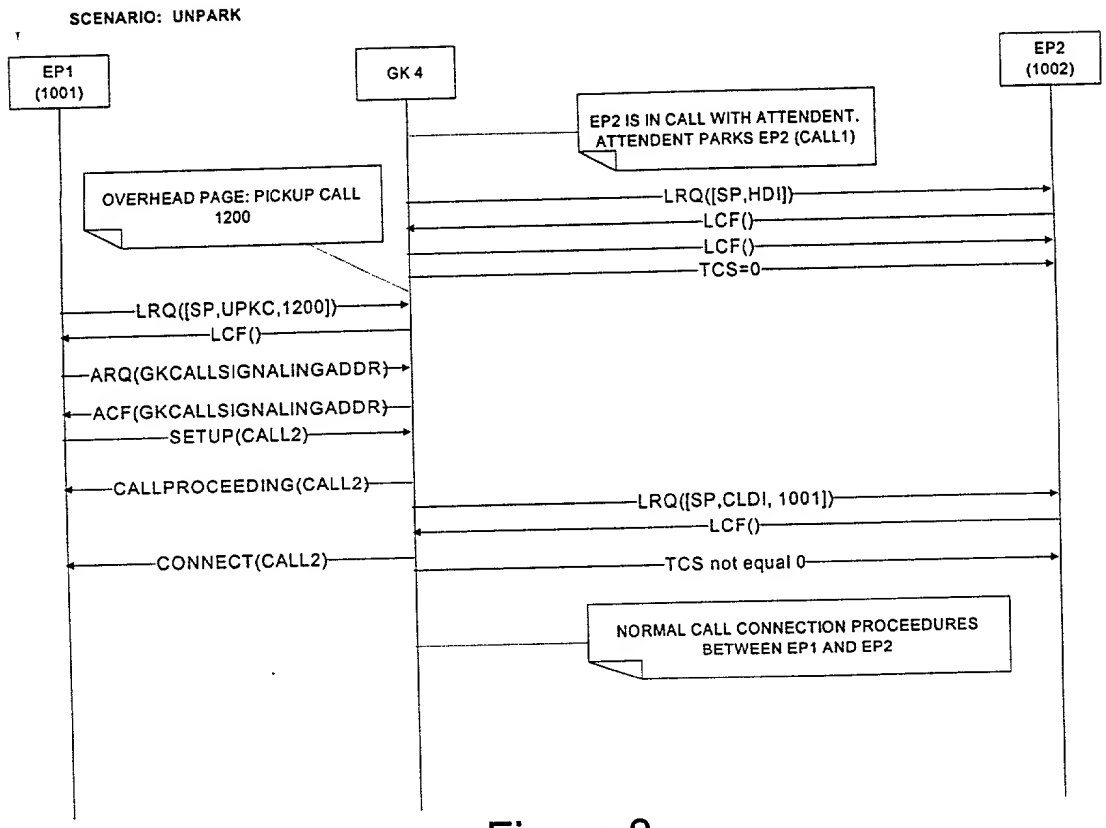
SCENARIO: UNPARK
EP1 (1001)
GK 4
EP2 (1002)
EP2 IS IN CALL WITH ATTENDENT. ATTENDENT PARKS EP2 (CALL1)
OVERHEAD PAGE: PICKUP CALL 1200
LRQ([SP,HDI])
LCF()
LCF()
TCS=0
LRQ([SP,UPKC,1200])
LCF()
ARQ(GKCALLSIGNALINGADDR)
ACF(GKCALLSIGNALINGADDR)
SETUP(CALL2)
CALLPROCEEDING(CALL2)
LRQ([SP,CLDI, 1001])
LCF()
CONNECT(CALL2)
TCS not equal 0
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP2

Figure 8

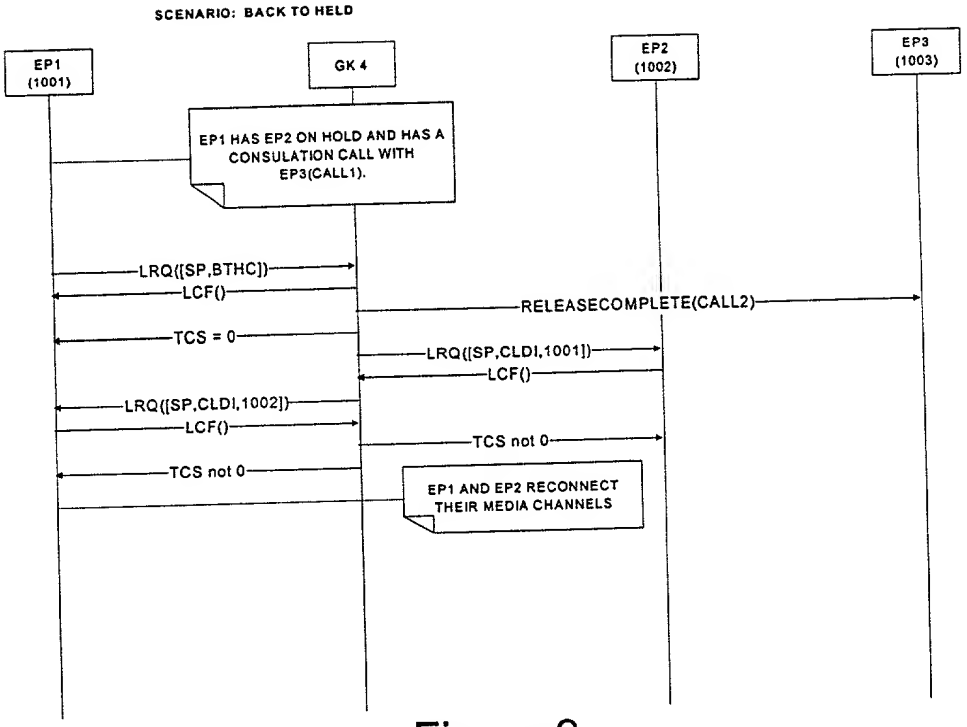
SCENARIO: BACK TO HELD
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
EP1 HAS EP2 ON HOLD AND HAS A CONSULATION CALL WITH EP3(CALL1).
LRQ([SP,BTHC])
LCF()
RELEASECOMPLETE(CALL2)
TCS = 0
LRQ([SP,CLDI,1001])
LCF()
LRQ([SP,CLDI,1002])
LCF()
TCS not 0
TCS not 0
EP1 AND EP2 RECONNECT THEIR MEDIA CHANNELS

Figure 9

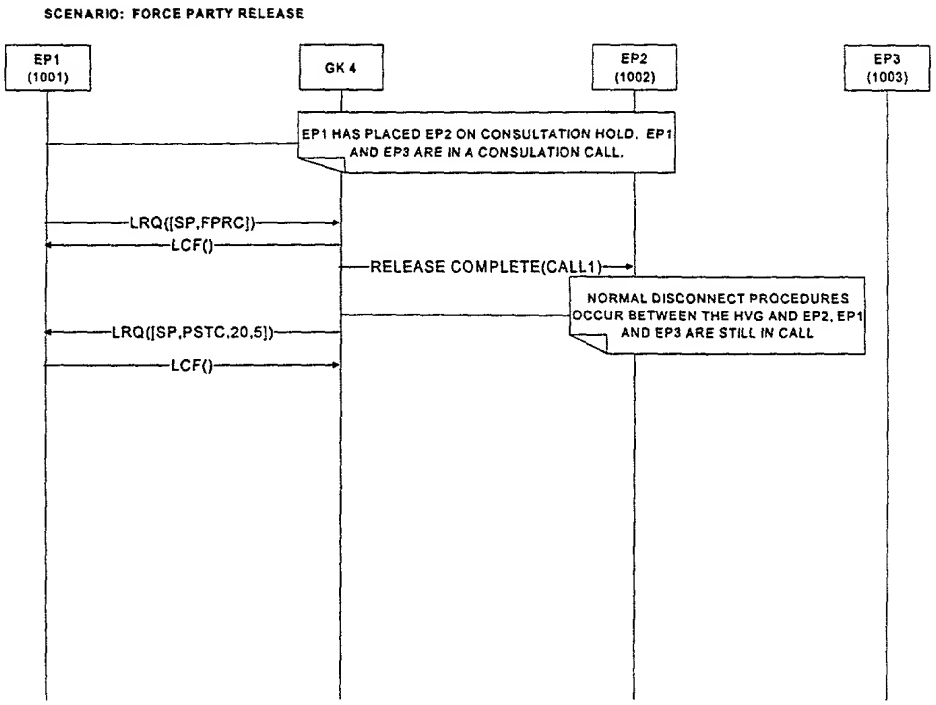
SCENARIO: FORCE PARTY RELEASE
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
EP1 HAS PLACED EP2 ON CONSULTATION HOLD. EP1 AND EP3 ARE IN A CONSULATION CALL.
LRQ([SP,FPRC])
LCF()
RELEASE COMPLETE(CALL1)
NORMAL DISCONNECT PROCEDURES OCCUR BETWEEN THE HVG AND EP2. EP1 AND EP3 ARE STILL IN CALL
LRQ([SP,PSTC,20,5])
LCF()

Figure 10

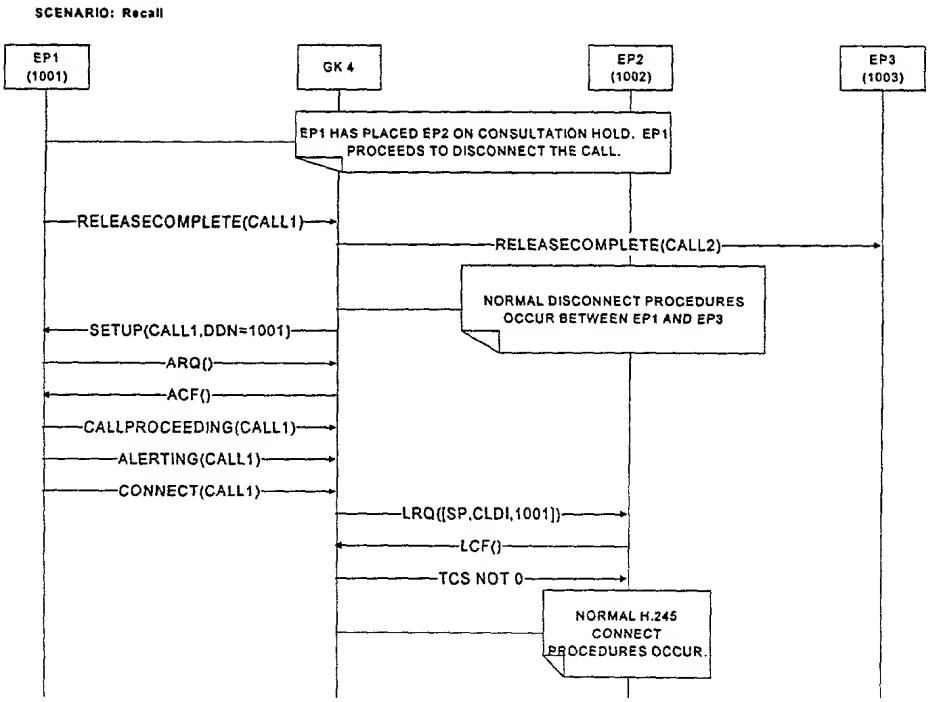
SCENARIO: Recall
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
EP1 HAS PLACED EP2 ON CONSULTATION HOLD. EP1 PROCEEDS TO DISCONNECT THE CALL.
RELEASECOMPLETE(CALL1)
RELEASECOMPLETE(CALL2)
NORMAL DISCONNECT PROCEDURES OCCUR BETWEEN EP1 AND EP3
SETUP(CALL1,DDN=1001)
ARQ()
ACF()
CALLPROCEEDING(CALL1)
ALERTING(CALL1)
CONNECT(CALL1)
LRQ([SP,CLDI,1001])
LCF()
TCS NOT 0
NORMAL H.245 CONNECT PROCEDURES OCCUR.

Figure 11

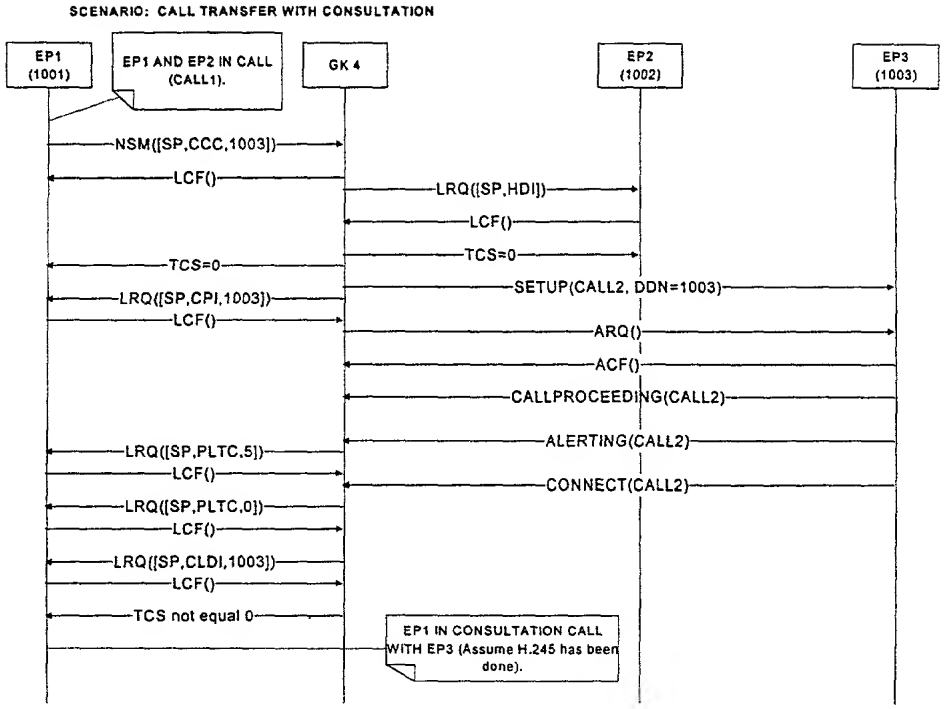
SCENARIO: CALL TRANSFER WITH CONSULTATION
EP1 (1001)
EP1 AND EP2 IN CALL (CALL1).
GK 4
EP2 (1002)
EP3 (1003)
NSM([SP,CCC,1003])
LCF()
LRQ([SP,HDI])
LCF()
TCS=0
TCS=0
SETUP(CALL2, DDN=1003)
LRQ([SP,CPI,1003])
LCF()
ARQ()
ACF()
CALLPROCEEDING(CALL2)
ALERTING(CALL2)
LRQ([SP,PLTC,5])
LCF()
CONNECT(CALL2)
LRQ([SP,PLTC,0])
LCF()
LRQ([SP,CLDI,1003])
LCF()
TCS not equal 0
EP1 IN CONSULTATION CALL WITH EP3 (Assume H.245 has been done).

Figure 12

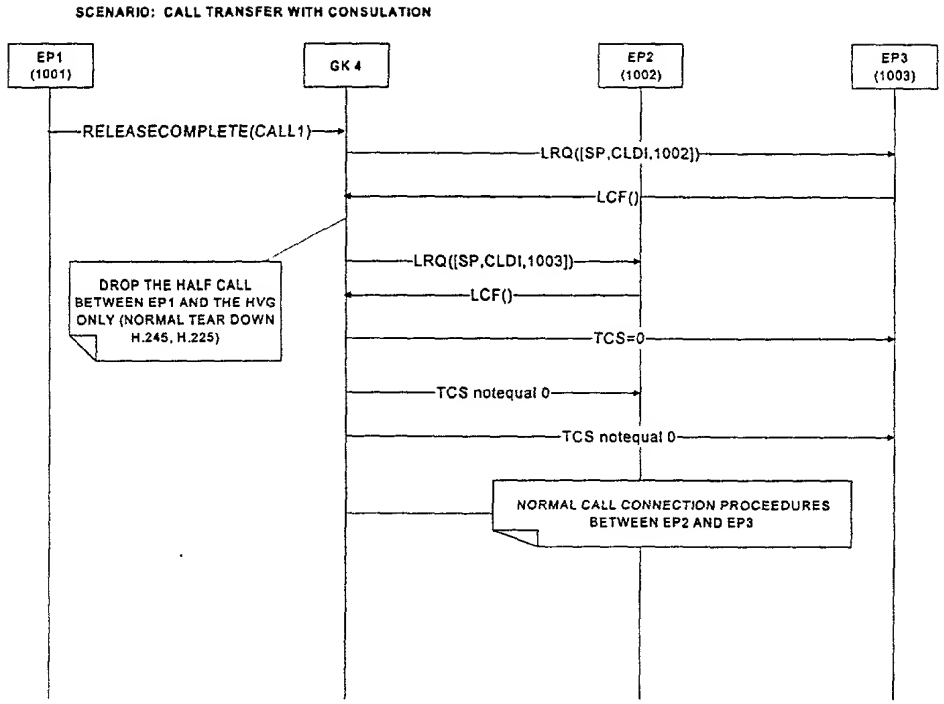
SCENARIO: CALL TRANSFER WITH CONSULATION
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
RELEASECOMPLETE(CALL1)
LRQ([SP,CLDI,1002])
LCF()
LRQ([SP,CLDI,1003])
LCF()
DROP THE HALF CALL BETWEEN EP1 AND THE HVG ONLY (NORMAL TEAR DOWN H.245, H.225)
TCS=0
TCS notequal 0
TCS notequal 0
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP2 AND EP3

Figure 13

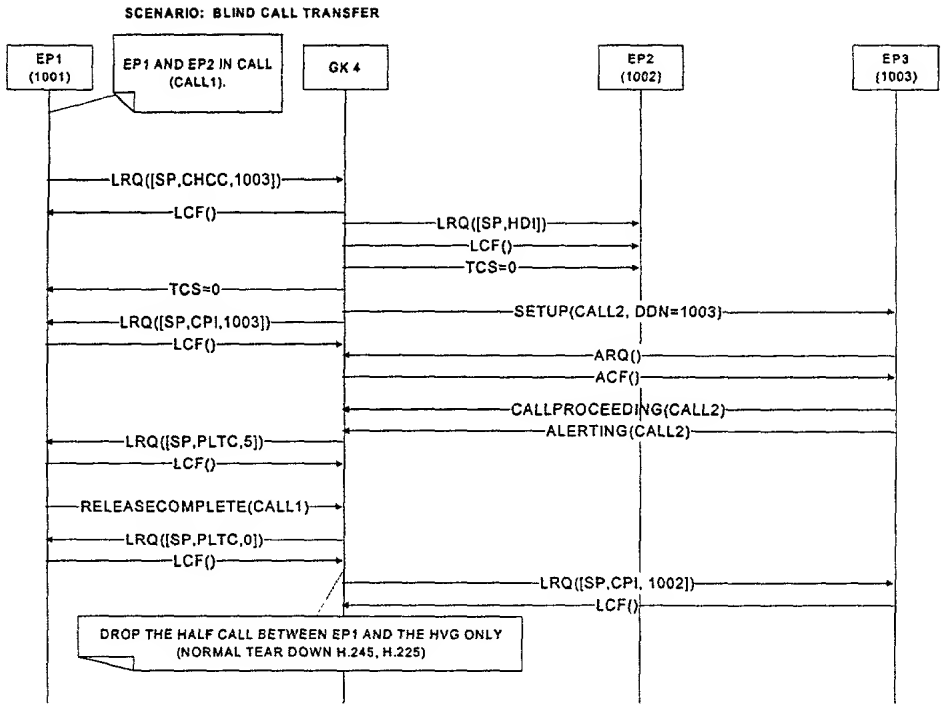
SCENARIO: BLIND CALL TRANSFER
EP1 (1001)
EP1 AND EP2 IN CALL (CALL1).
GK 4
EP2 (1002)
EP3 (1003)
LRQ([SP,CHCC,1003])
LCF()
LRQ([SP,HDI])
LCF()
TCS=0
TCS=0
SETUP(CALL2, DDN=1003)
LRQ([SP,CPI,1003])
LCF()
ARQ()
ACF()
CALLPROCEEDING(CALL2)
ALERTING(CALL2)
LRQ([SP,PLTC,5])
LCF()
RELEASECOMPLETE(CALL1)
LRQ([SP,PLTC,0])
LCF()
LRQ([SP,CPI, 1002])
LCF()
DROP THE HALF CALL BETWEEN EP1 AND THE HVG ONLY
(NORMAL TEAR DOWN H.245, H.225)

Figure 14

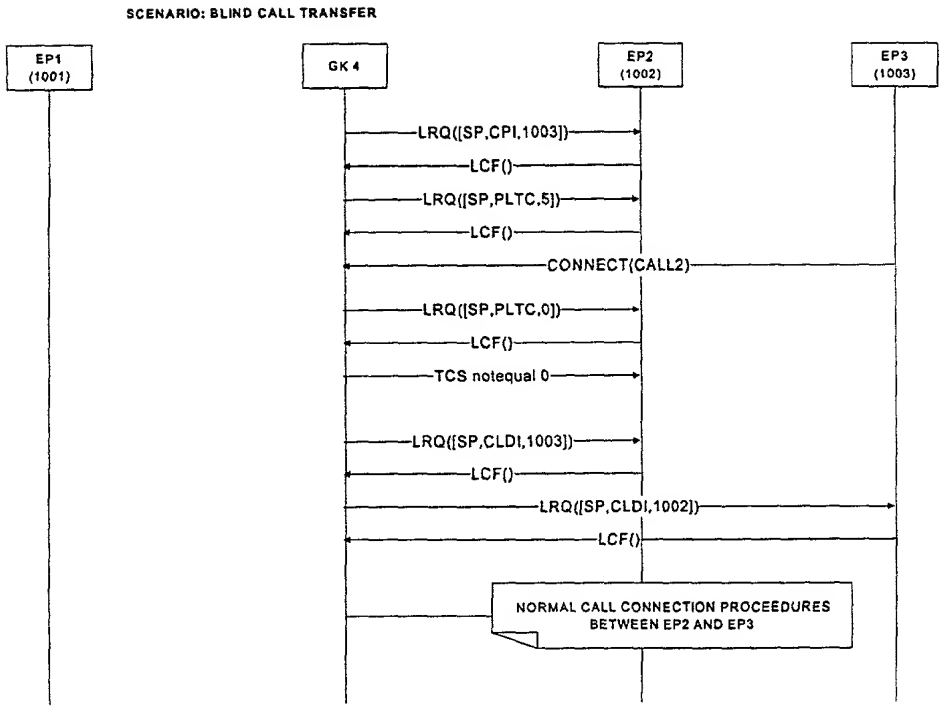
SCENARIO: BLIND CALL TRANSFER
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
LRQ([SP,CPI,1003])
LCF()
LRQ([SP,PLTC,5])
LCF()
CONNECT(CALL2)
LRQ([SP,PLTC,0])
LCF()
TCS notequal 0
LRQ([SP,CLDI,1003])
LCF()
LRQ([SP,CLDI,1002])
LCF()
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP2 AND EP3

Figure 15

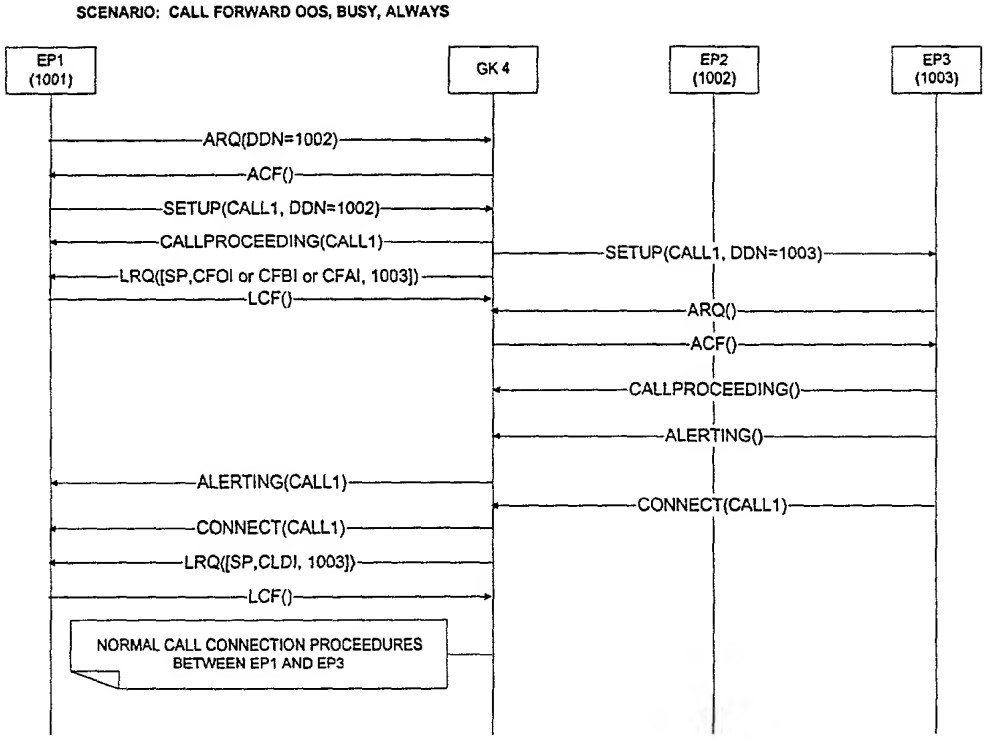
SCENARIO: CALL FORWARD OOS, BUSY, ALWAYS
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
ARQ(DDN=1002)
ACF()
SETUP(CALL1, DDN=1002)
CALLPROCEEDING(CALL1)
SETUP(CALL1, DDN=1003)
LRQ([SP,CFOI or CFBI or CFAI, 1003])
LCF()
ARQ()
ACF()
CALLPROCEEDING()
ALERTING()
ALERTING(CALL1)
CONNECT(CALL1)
CONNECT(CALL1)
LRQ([SP,CLDI, 1003])
LCF()
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP3

Figure 16

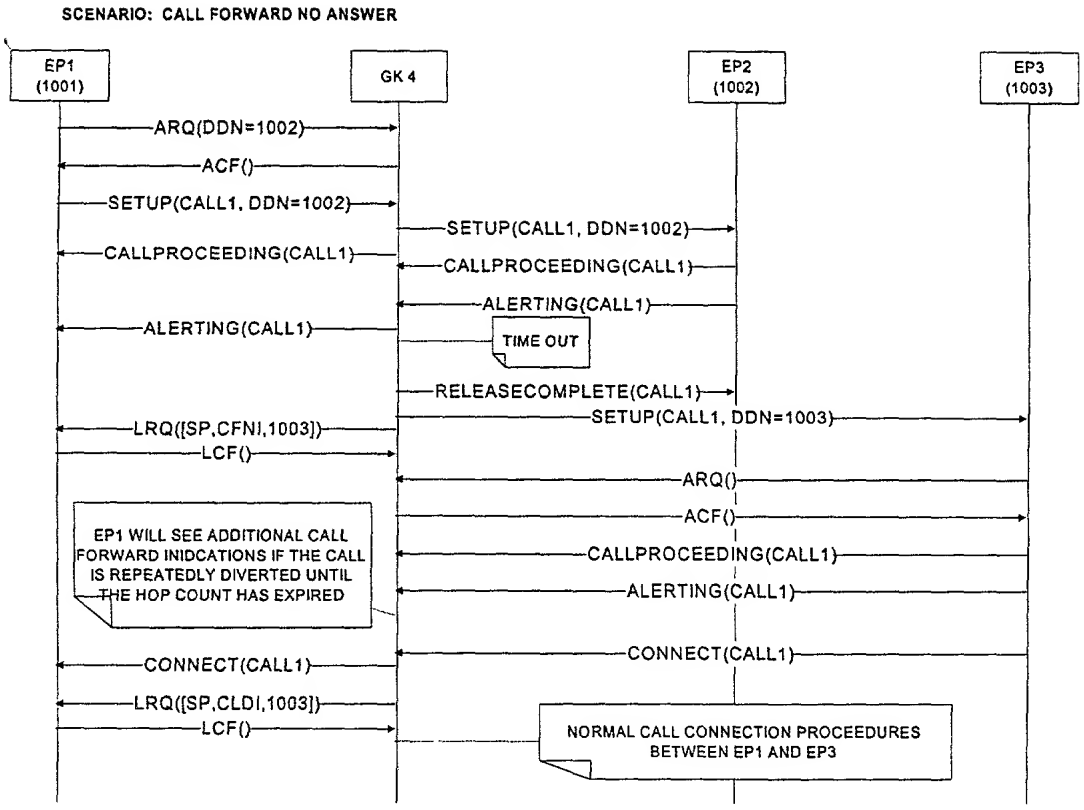
SCENARIO: CALL FORWARD NO ANSWER
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
ARQ(DDN=1002)
ACF()
SETUP(CALL1, DDN=1002)
SETUP(CALL1, DDN=1002)
CALLPROCEEDING(CALL1)
CALLPROCEEDING(CALL1)
ALERTING(CALL1)
ALERTING(CALL1)
TIME OUT
RELEASECOMPLETE(CALL1)
SETUP(CALL1, DDN=1003)
LRQ([SP,CFNI,1003])
LCF()
ARQ()
ACF()
EP1 WILL SEE ADDITIONAL CALL FORWARD INIDCATIONS IF THE CALL IS REPEATEDLY DIVERTED UNTIL THE HOP COUNT HAS EXPIRED
CALLPROCEEDING(CALL1)
ALERTING(CALL1)
CONNECT(CALL1)
CONNECT(CALL1)
LRQ([SP,CLDI,1003])
LCF()
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP3

Figure 17

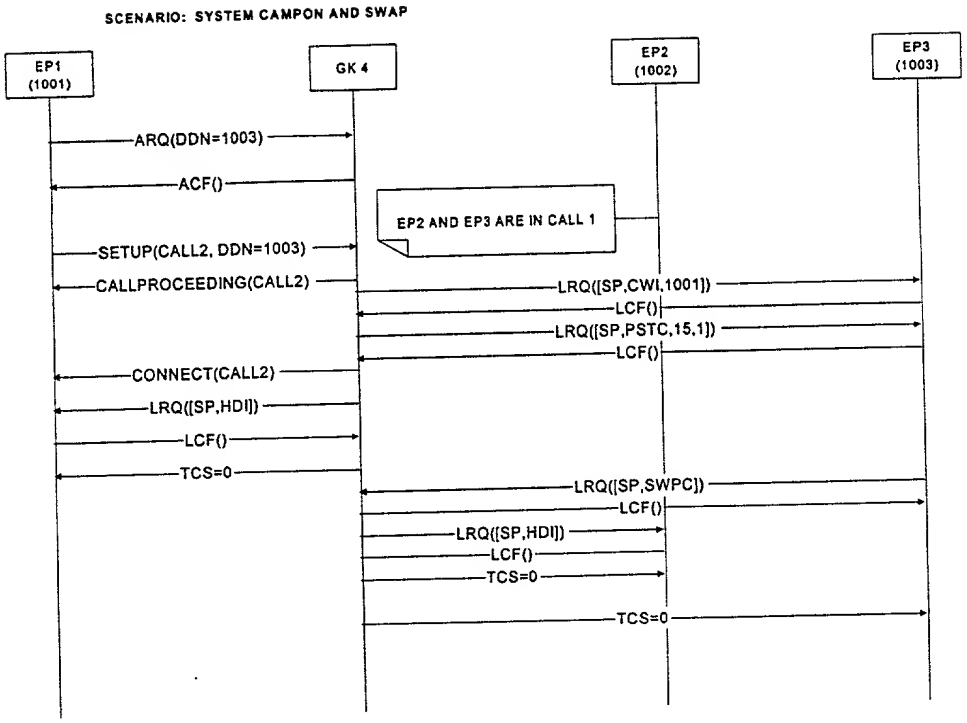
SCENARIO: SYSTEM CAMPON AND SWAP
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
ARQ(DDN=1003)
ACF()
EP2 AND EP3 ARE IN CALL 1
SETUP(CALL2, DDN=1003)
CALLPROCEEDING(CALL2)
LRQ([SP,CWI,1001])
LCF()
LRQ([SP,PSTC,15,1])
LCF()
CONNECT(CALL2)
LRQ([SP,HDI])
LCF()
TCS=0
LRQ([SP,SWPC])
LCF()
LRQ([SP,HDI])
LCF()
TCS=0
TCS=0

Figure 18

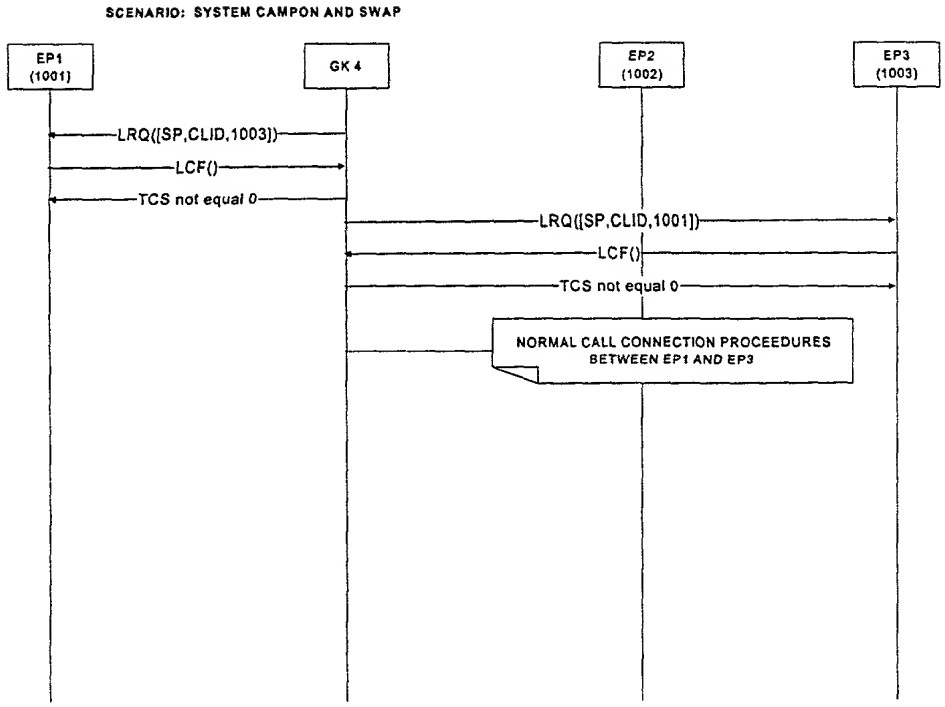
SCENARIO: SYSTEM CAMPON AND SWAP
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
LRQ([SP,CLID,1003])
LCF()
TCS not equal 0
LRQ([SP,CLID,1001])
LCF()
TCS not equal 0
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP3

Figure 19

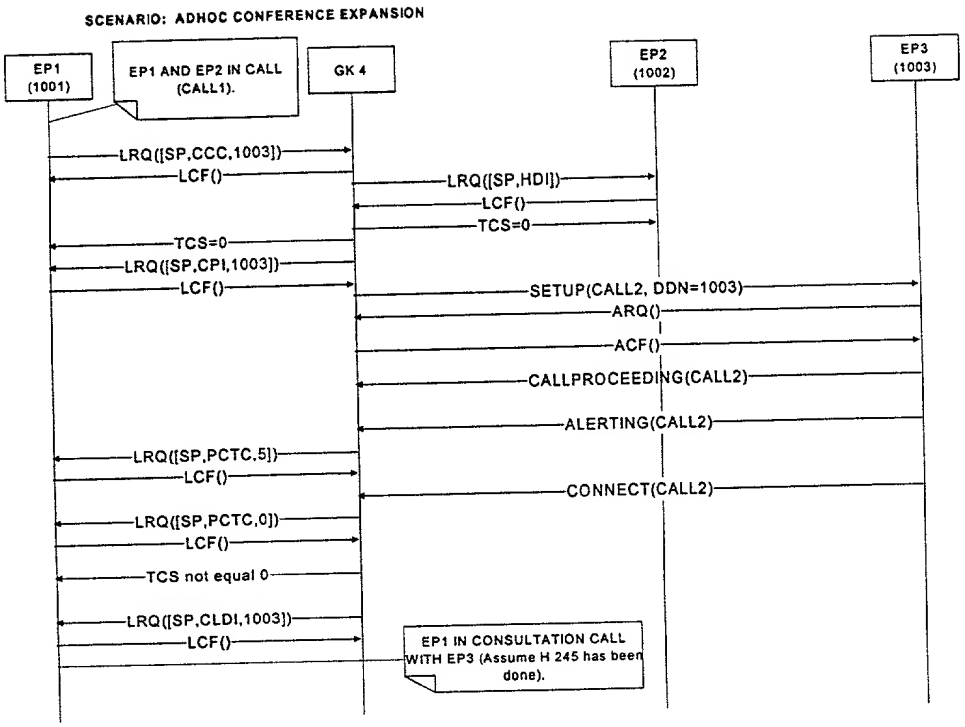
SCENARIO: ADHOC CONFERENCE EXPANSION
EP1 (1001)
EP1 AND EP2 IN CALL (CALL1).
GK 4
EP2 (1002)
EP3 (1003)
LRQ([SP,CCC,1003])
LCF()
LRQ([SP,HDI])
LCF()
TCS=0
TCS=0
LRQ([SP,CPI,1003])
LCF()
SETUP(CALL2, DDN=1003)
ARQ()
ACF()
CALLPROCEEDING(CALL2)
ALERTING(CALL2)
LRQ([SP,PCTC,5])
LCF()
CONNECT(CALL2)
LRQ([SP,PCTC,0])
LCF()
TCS not equal 0
LRQ([SP,CLDI,1003])
LCF()
EP1 IN CONSULTATION CALL WITH EP3 (Assume H 245 has been done).

Figure 20

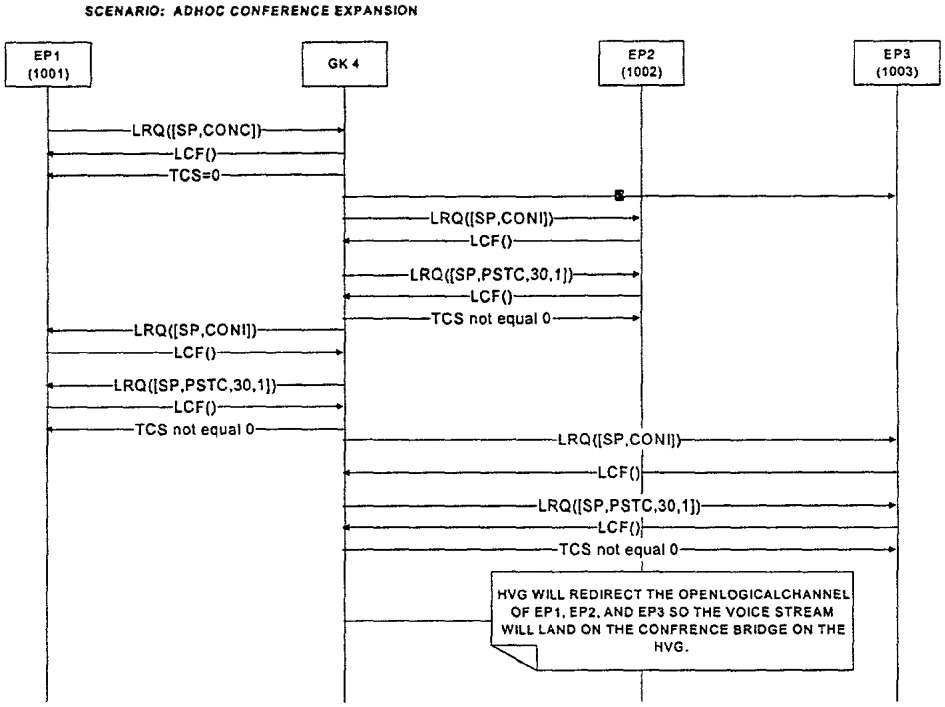
SCENARIO: ADHOC CONFERENCE EXPANSION
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
LRQ([SP,CONC])
LCF()
TCS=0
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
TCS not equal 0
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
TCS not equal 0
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
TCS not equal 0
HVG WILL REDIRECT THE OPENLOGICALCHANNEL OF EP1, EP2, AND EP3 SO THE VOICE STREAM WILL LAND ON THE CONFRENCE BRIDGE ON THE HVG.

Figure 21

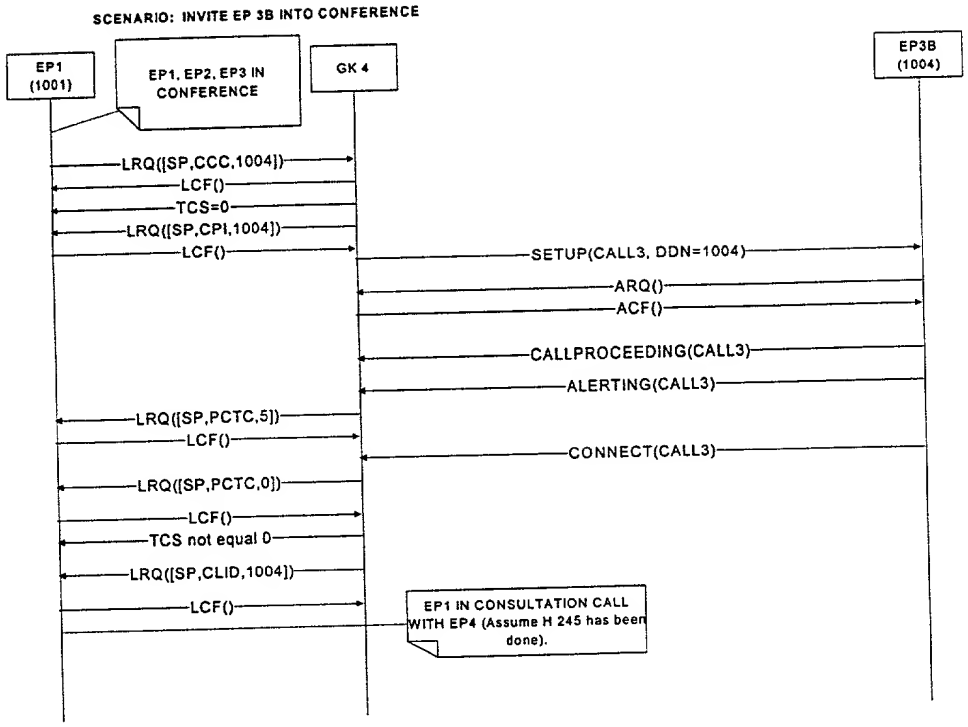
SCENARIO: INVITE EP 3B INTO CONFERENCE
EP1 (1001)
EP1, EP2, EP3 IN CONFERENCE
GK 4
EP3B (1004)
LRQ([SP,CCC,1004])
LCF()
TCS=0
LRQ([SP,CPI,1004])
LCF()
SETUP(CALL3, DDN=1004)
ARQ()
ACF()
CALLPROCEEDING(CALL3)
ALERTING(CALL3)
LRQ([SP,PCTC,5])
LCF()
CONNECT(CALL3)
LRQ([SP,PCTC,0])
LCF()
TCS not equal 0
LRQ([SP,CLID,1004])
LCF()
EP1 IN CONSULTATION CALL WITH EP4 (Assume H 245 has been done).

Figure 22

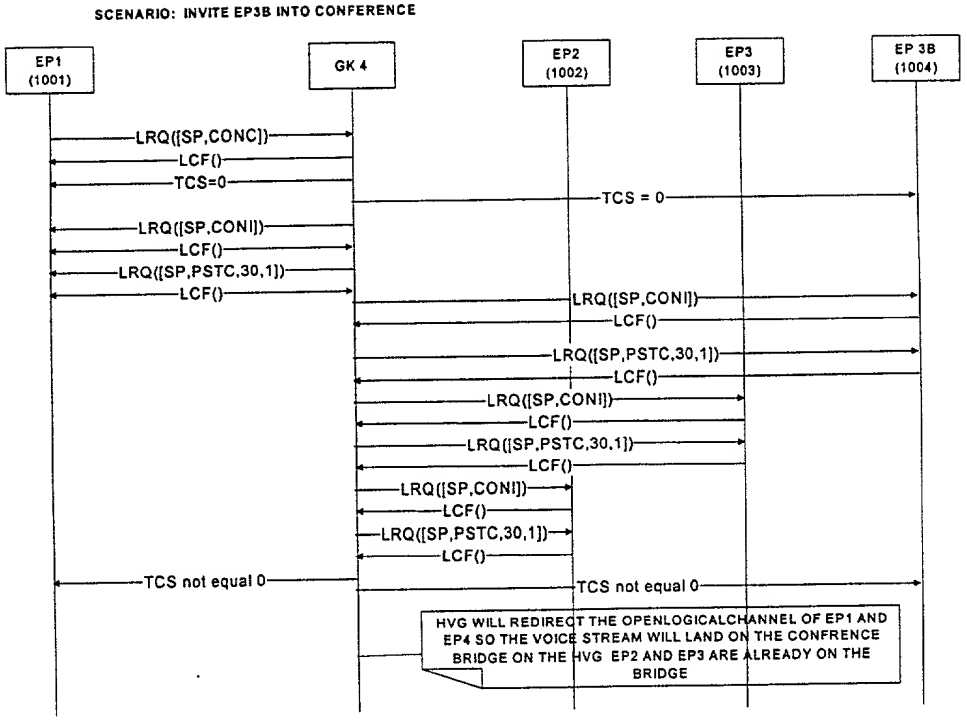
SCENARIO: INVITE EP3B INTO CONFERENCE
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
EP 3B (1004)
LRQ([SP,CONC])
LCF()
TCS=0
TCS = 0
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
LRQ([SP,CONI])
LCF()
LRQ([SP,PSTC,30,1])
LCF()
TCS not equal 0
TCS not equal 0
HVG WILL REDIRECT THE OPENLOGICALCHANNEL OF EP1 AND EP4 SO THE VOICE STREAM WILL LAND ON THE CONFRENCE BRIDGE ON THE HVG EP2 AND EP3 ARE ALREADY ON THE BRIDGE

Figure 23

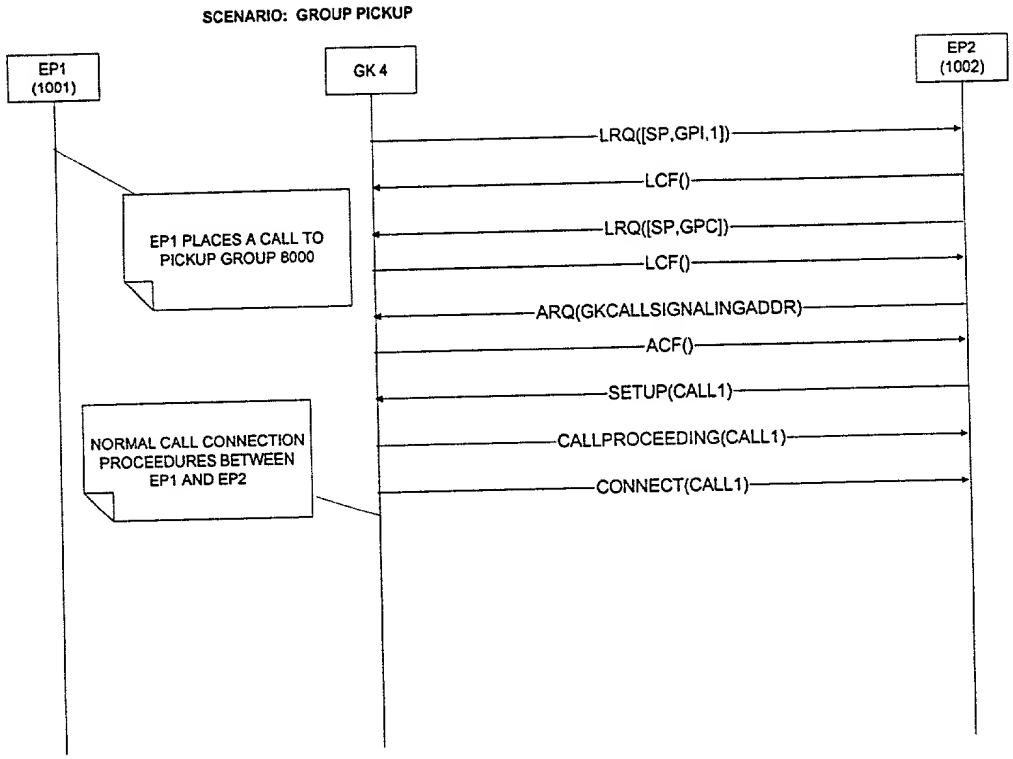
SCENARIO: GROUP PICKUP
EP1
(1001)
GK 4
EP2
(1002)
LRQ([SP,GPI,1])
LCF()
EP1 PLACES A CALL TO
PICKUP GROUP 8000
LRQ([SP,GPC])
LCF()
ARQ(GKCALLSIGNALINGADDR)
ACF()
SETUP(CALL1)
NORMAL CALL CONNECTION
PROCEEDURES BETWEEN
EP1 AND EP2
CALLPROCEEDING(CALL1)
CONNECT(CALL1)

Figure 24

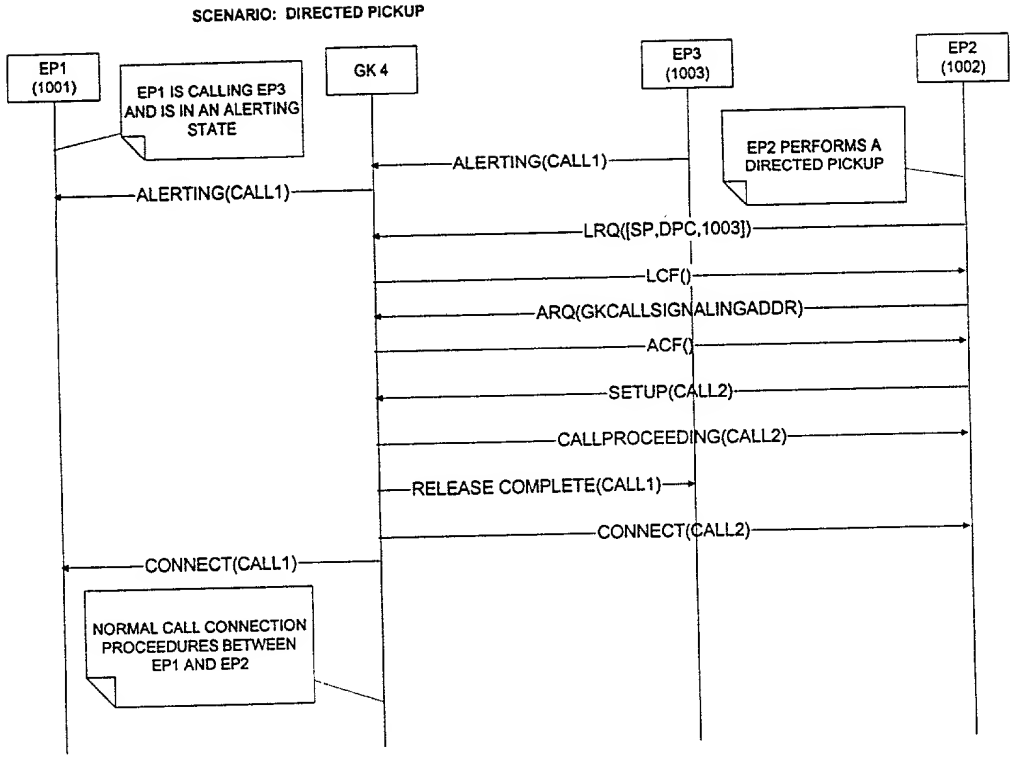
SCENARIO: DIRECTED PICKUP
EP1 (1001)
EP1 IS CALLING EP3 AND IS IN AN ALERTING STATE
GK 4
EP3 (1003)
EP2 (1002)
EP2 PERFORMS A DIRECTED PICKUP
ALERTING(CALL1)
ALERTING(CALL1)
LRQ([SP,DPC,1003])
LCF()
ARQ(GKCALLSIGNALINGADDR)
ACF()
SETUP(CALL2)
CALLPROCEEDING(CALL2)
RELEASE COMPLETE(CALL1)
CONNECT(CALL2)
CONNECT(CALL1)
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP2

Figure 25

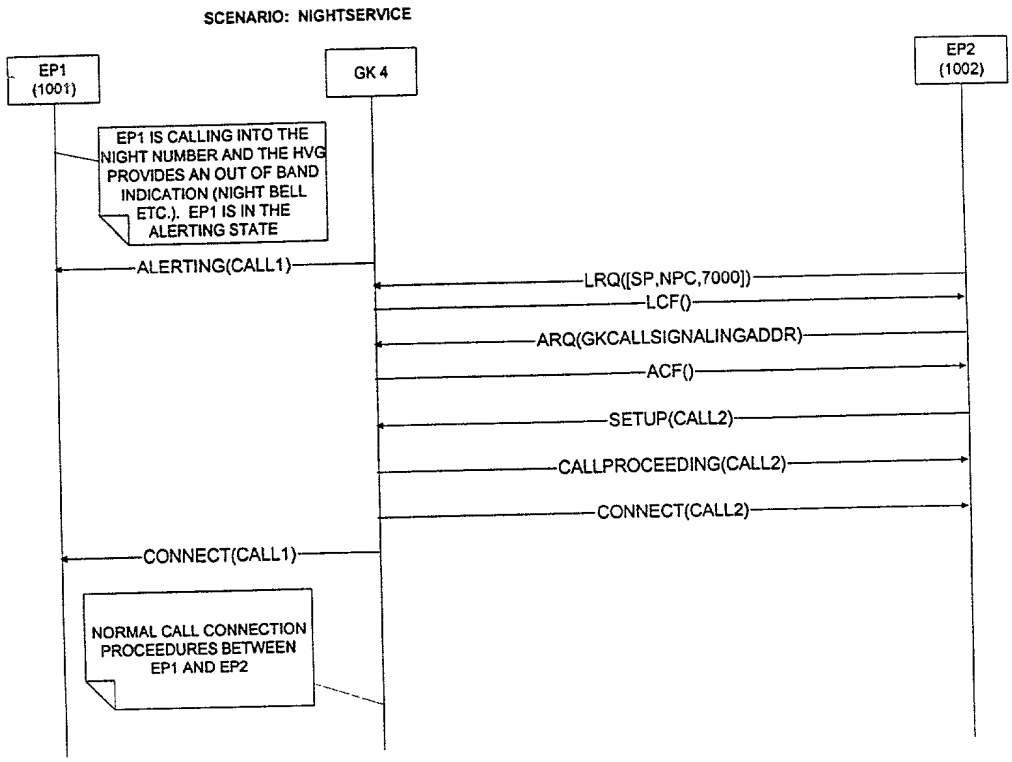
SCENARIO: NIGHTSERVICE
EP1 (1001)
GK 4
EP2 (1002)
EP1 IS CALLING INTO THE NIGHT NUMBER AND THE HVG PROVIDES AN OUT OF BAND INDICATION (NIGHT BELL ETC.). EP1 IS IN THE ALERTING STATE
ALERTING(CALL1)
LRQ([SP,NPC,7000])
LCF()
ARQ(GKCALLSIGNALINGADDR)
ACF()
SETUP(CALL2)
CALLPROCEEDING(CALL2)
CONNECT(CALL2)
CONNECT(CALL1)
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP2

Figure 26

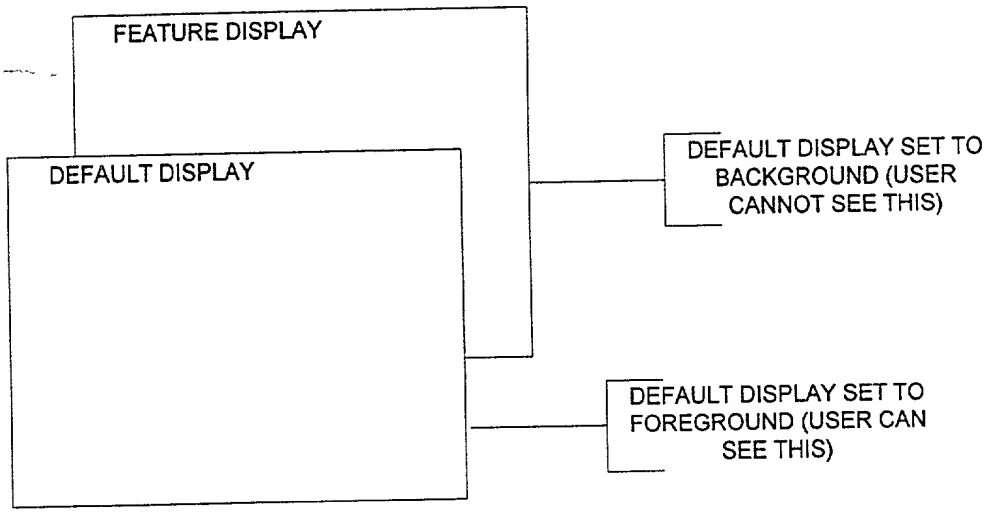
FEATURE DISPLAY
DEFAULT DISPLAY
DEFAULT DISPLAY SET TO BACKGROUND (USER CANNOT SEE THIS)
DEFAULT DISPLAY SET TO FOREGROUND (USER CAN SEE THIS)

Figure 27

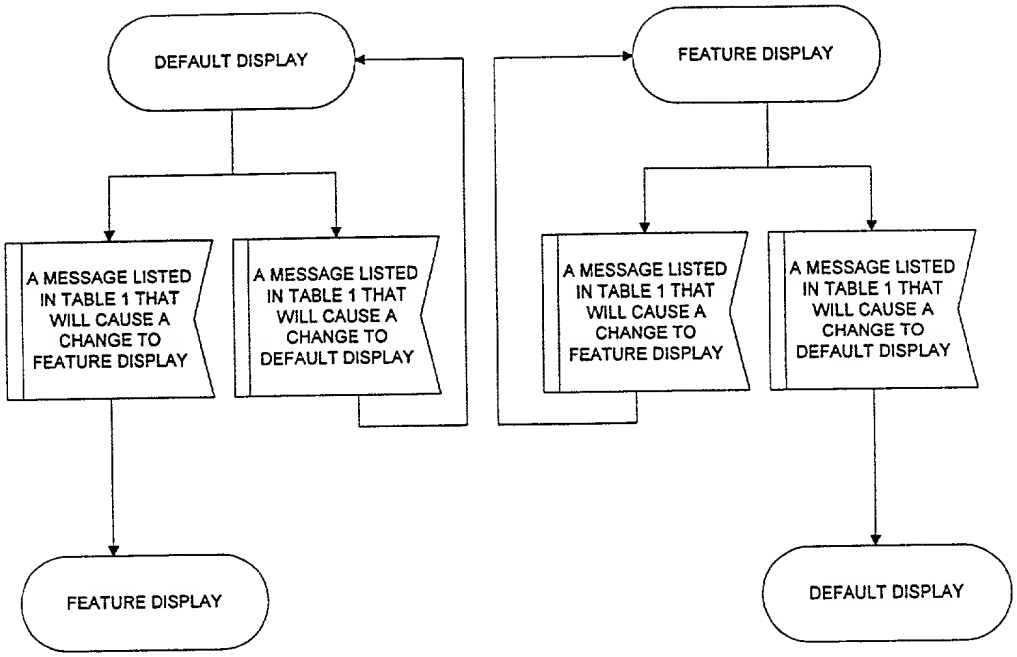
DEFAULT DISPLAY
A MESSAGE LISTED IN TABLE 1 THAT WILL CAUSE A CHANGE TO FEATURE DISPLAY
A MESSAGE LISTED IN TABLE 1 THAT WILL CAUSE A CHANGE TO DEFAULT DISPLAY
FEATURE DISPLAY
FEATURE DISPLAY
A MESSAGE LISTED IN TABLE 1 THAT WILL CAUSE A CHANGE TO FEATURE DISPLAY
A MESSAGE LISTED IN TABLE 1 THAT WILL CAUSE A CHANGE TO DEFAULT DISPLAY
DEFAULT DISPLAY

Figure 28

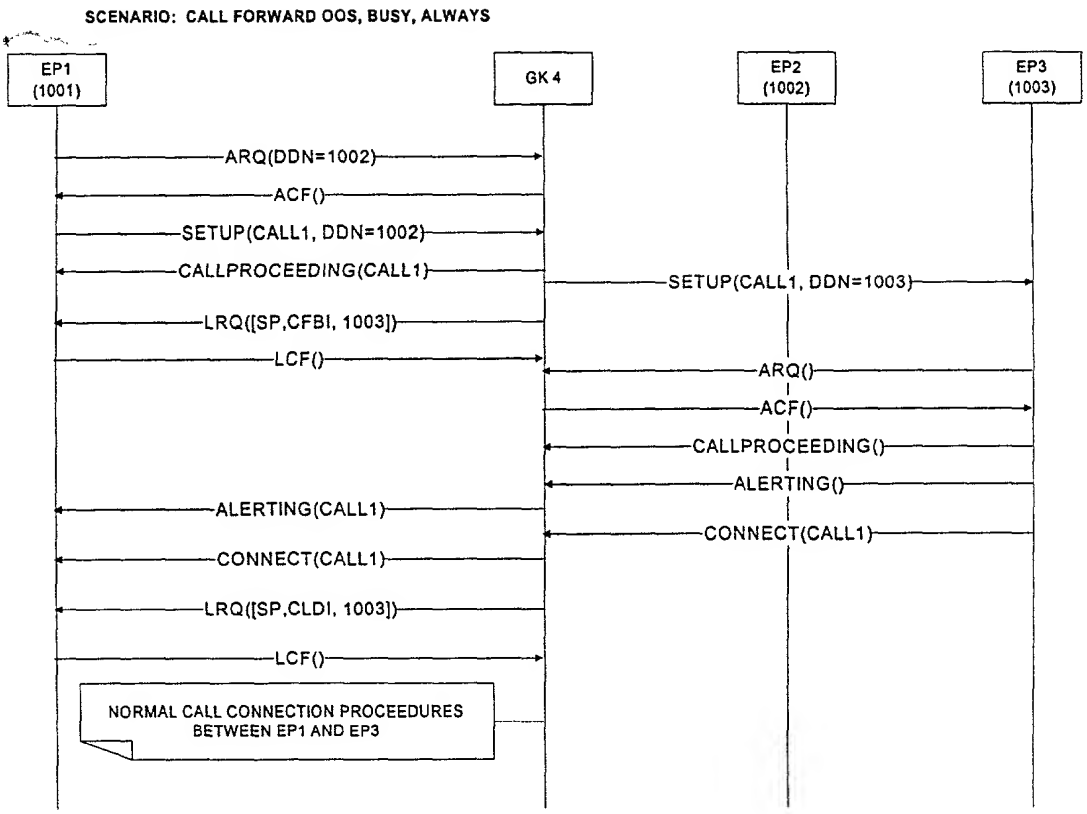
SCENARIO: CALL FORWARD OOS, BUSY, ALWAYS
EP1 (1001)
GK 4
EP2 (1002)
EP3 (1003)
ARQ(DDN=1002)
ACF()
SETUP(CALL1, DDN=1002)
CALLPROCEEDING(CALL1)
SETUP(CALL1, DDN=1003)
LRQ([SP,CFBI, 1003])
LCF()
ARQ()
ACF()
CALLPROCEEDING()
ALERTING()
ALERTING(CALL1)
CONNECT(CALL1)
CONNECT(CALL1)
LRQ([SP,CLDI, 1003])
LCF()
NORMAL CALL CONNECTION PROCEEDURES BETWEEN EP1 AND EP3

Figure 29

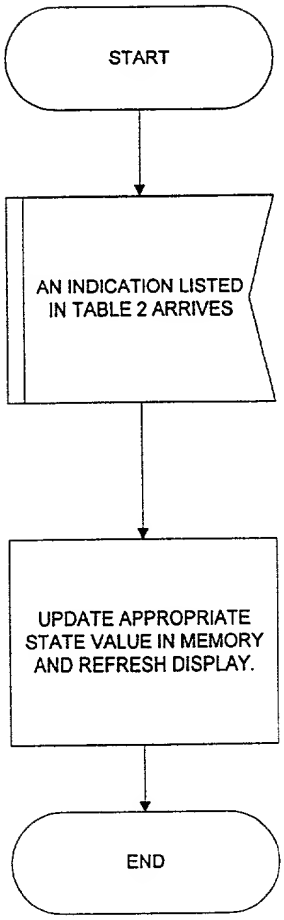
START
AN INDICATION LISTED IN TABLE 2 ARRIVES
UPDATE APPROPRIATE STATE VALUE IN MEMORY AND REFRESH DISPLAY.
END

Figure 30